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University of North Dakota

Grand Forks, ND



UNIVERSITY LETTER

VOLUME 41, NUMBER 3: SEPTEMBER 12, 2003

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UND sees record year in research and sponsored programs awards

The University is at an all-time high in research and sponsored programs awards, according to figures released by Vice President for Research Peter Alfonso.

"UND is enjoying its most successful year ever in research. In fiscal year 2003, we received more than \$71 million in total sponsored programs awards and recorded more than \$68 million in expenditures," said Alfonso. Our first vice president for research, Alfonso is reorganizing the administrative structure for research enterprise. That includes changing the way UND reports its research plus all other sponsored program awards.

Leading the way is the School of Medicine and Health Sciences with nearly \$24 million. The Energy & Environmental Research Center (EERC) received about \$16.4 million in 2002-03 (contract awards at the EERC within just the past three months already total over \$19 million). The John D. Odegard School for Aerospace Sciences received nearly \$5.9 million in 2002-03.

"This is excellent news. I'm very pleased with the growth in research awards and with the job Dr. Peter Alfonso has done in helping to shape UND's research enterprise. It puts us right on target with reaching our Strategic Plan goals," said President Charles Kupchella.

One goal in the plan was to add a vice president for research. Another is to reach the \$100 million mark in total sponsored program awards in 2006. "We are well on our way. For each of the last five years, the University's research spending has increased with each month of every year showing an increase over the previous corresponding month and year," said Kupchella.

"This increase in sponsored programs awards also places us on track as we jump to the highest level in the Carnegie Classification: that of Doctoral/Research Universities-Extensive, ranking us among the top institutions of higher learning in the country," said Kupchella, who added that UND already is awarding more than 50 doctoral degrees a year (57 in 2002-03). Kupchella praised faculty for their collective efforts to increase UND's research profile. The dollar value of proposals to funding agencies has more than doubled in the past five years, from \$79.3 million in 1999 to \$188.2 million in 2003.

"Our faculty and professional staff across the disciplines are doing outstanding work in research, in scholarship and in creative activity and thus are attracting more and more outside sponsorship. One of the things that makes UND unique is the breadth and depth of our disciplines. That was one of the things that attracted me to UND - that we have outstanding scholars and go-getters as faculty and staff across the full range of our program areas," said Kupchella.

Kupchella said "a host of other people" deserve credit and thanks for the University's sponsored programs success. Among those are Sen. Byron Dorgan -- whom Kupchella characterized as helping to energize the research enterprise at UND through his promotion of the Red River Valley Research Corridor concept and through his help in securing funding -- Sen. Kent Conrad, who has played a key role in securing and preserving funding in the Senate, and Congressman Earl Pomeroy who has done the same in the House of Representatives. Kupchella also thanked the North Dakota Legislature and state government, including Gov. John Hoeven, for funding through such programs as EPSCoR (Experimental Program to Stimulate Competitive Research).

Kupchella also praised the Grand Forks City Council, which has provided \$500,000 in matching funding through the four-year-old, innovative faculty research seed money project to encourage faculty members to develop their ideas to the point where external agencies can be solicited to fund further research.

The faculty research seed money plan combines dollars from the University, the UND Foundation, and the city of Grand Forks. So far, 83 seed money grants totaling \$2 million have been awarded to faculty. The city contributed a quarter of the pool, with the balance coming from UND and the Foundation. Thus far, external grants directly attributed to the seed money plan have generated \$6.6 million in grant awards.

Not all seed money recipients have had sufficient time to submit proposals to external agencies. "Once an idea matures and a proposal is submitted to an external agency, the success rate has been astounding," said Alfonso.

As of May 31, faculty receiving seed money grants had submitted 40 proposals to external agencies seeking \$24.4 million, achieving success on 15 of them. That's a success ratio of 37.5 percent.

Looked at another way, seed money grants totaling \$688,000 were made to the investigators who submitted the proposals. That resulted in the \$6.6 million in new grants, making the return on investment an impressive 9.6 to 1. Another 29 proposals seeking \$7.5 million are currently being considered by external funding sources, and more are in the pipeline.

Alfonso said he is happy to be playing the role of research advocate, but said UND was well on its way to meeting its research goals before he came on board. "We have made excellent faculty hires during the past year few years, we've recently made improvements to our research facilities and to our financial support of research. Most importantly, we've seen a comparable increase in the number indices of scholarship across many of the University's disciplines."

Faculty research seed money project

List of FRSM-funded faculty who have attracted external funding, listed by name/department, proposal, FRSM award, and external awards: Mary Cutler, theatre arts, "The Theatrical Event," \$18,000, \$4,822; Ann Flower, microbiology and immunology, "Targeting Proteins for Export from Escherichia coli," \$40,000, \$505,955 m-y*; Ahmad Ghassemi, geology and geological engineering, "Modeling Fracture Propagation in Poro-Thermoelastic Rock Systems," \$40,000, \$333,744; William Gosnold, geology and geological engineering, "A Proposal to Investigate Lithosphere Flexure and Mantle Rheology," \$32,475, \$8,360, and "A Test of Borehole Paleoclimatology as a Method to Quantify the Anthropogenic Component of Climate Change," \$30,000, \$385,768; Thomas Hill, microbiology and immunology, "Identification of the Molecular Target of HIPA, Which Confers High Persistence in Escherichia Coli," \$40,000, \$100,000; Scott Korom, geology and geological engineering, "In-Situ Quantification and Characterization of Nitrate Reduction in a Denitrifying Aquifer," \$22,231, \$33,915; Glenda Lindseth, nursing, "Dietary Effects on Aisickness and Performance," \$33,275, \$521,360 m-y*; Matthew Niles, microbiology and immunology, "Identification of Protein-Protein Interactions Between LcrG and Type III Secretion Control Proteins," \$25,543, \$1,000,000 m-y*; Leon Osborne Jr., atmospheric sciences, "Analysis of Spatial Variation of Atmospheric Water Resources Across the Red River Basin," \$37,318, \$3,320,000 m-y*; Sharon Wilsnack, neuroscience, "Gender, Culture, and Alcohol: A Multi-National Study," \$37,882, \$390,000 3-year.

* m-y indicates "multi-year award."

Administrative internship opportunities available

Each year, the president's office and the President's Advisory Council on Women (PAC-W) sponsor a set of professional development programs for faculty and staff at UND. These programs are designed to assist those with an interest in university leadership to broaden their perspectives on issues and policies affecting decisions in higher education. These programs are open to both men and women, though special emphasis is placed on the importance of developing women for professional leadership roles within the University.

The administrative internship component of the presidential leadership programs is designed for faculty and staff interested in additional administrative work. Each year, up to eight participants (at least 50 percent women and 50 percent faculty) are matched with approved internship projects and mentors across campus. On average, interns will work six hours per week on their projects and attend monthly meetings to network with other interns. Each intern will receive a stipend of \$500 to \$1,000 depending on the length of the internship project. To apply, call 777-4824 or e-mail victoria.beard@mail.und.nodak.edu for an application. This year's available internships and mentors are as follows:

Title: Graduate Program Review Process (#2003-01)

Mentor: Joseph Benoit, Dean, Graduate School

Duration: 7-9 months

The intern will be responsible for working with the Graduate School to evaluate the current procedures for a program review and for making recommendations for incorporating outcomes as well as assessment of student learning into the review process. This portion of the project should be completed by mid-January. During the spring semester the intern will lead a team of graduate faculty in the review of a graduate program using the new procedure and submit the program evaluation as well as an assessment of the evaluation process to the Graduate School. As a mentor to the intern, Dean Benoit will meet at least once per week to discuss specific aspects of the project, as well as trends in graduate school program evaluation. The intern will be included as a participant in selected Graduate School staff meetings as well as meetings of the graduate committee. The Graduate School will also cover travel expenses for the intern to attend the Council of Graduate Schools annual meeting in December. The intern's progress on the project will be monitored continuously throughout the year with specific recommendations made for improvement on an as-needed basis. I will also ask the faculty team working with the intern to provide constructive evaluations of the intern's administrative effectiveness. At the end of the internship I will meet with the intern to evaluate his/her accomplishments. The intern should be knowledgeable of or willing to learn about outcome based assessment. Effective interpersonal and communication skills are necessary since the person will be working with faculty as well as academicians on other campuses. Good professional writing skills are essential.

Title: University Research Administration (#2003-02)

Mentor: Peter Alfonso, Vice President for Research

Duration: 1-2 semesters

This project would involve establishing certain aspects of research administration to further the goals of university research programs. The individual would seek to develop a cohesive strategy in enhancing private sector relationships involving research funding. Another goal is to establish relationships with state policy makers to encourage further support of UND research. The candidate would also get the opportunity to become familiar with research related state policies and work with state congressional leaders on improving existing policies. While the project does not have a foreseeable conclusion since the end result is not finite, a minimum of one semester or preferably one full academic year would be sufficient to achieve sufficient progress. As mentor, Alfonso would help the intern develop a broader understanding and knowledge of the skills necessary for nurturing and developing state and private relationships by accompanying Dr. Alfonso on all transactions dealing with this effort. The intern would also have the opportunity to become familiar with related research administration issues such as intellectual property management and commercialization of UND research products. It is recommended but not required that the candidate would have some of the following experience: grant and contract administration, state and federal government relations, university-private sector relationships, research compliance issues, and/or intellectual property management.

Title: Budget Office Processes and Communication (#2003-03)

Mentor: Alice Brekke, Assistant to the President/Director, Budget

Duration: 1-2 semesters

As a result of the work of the Higher Education Roundtable and the State Board of Higher Education, the North Dakota University System is now operating under a long-term financing plan that includes the use of peer institutions to benchmark adequacy of funding. Peer institutions have been identified for each NDUS campus and the 2003-05 biennial budget was prepared using the new model. The FY04 annual budget also reflects a more flexible financial environment. In addition to utilizing benchmarking and peer comparison to target overall funding, opportunities exist to develop more detailed peer comparisons to further inform institutional conversations on resource allocation and management. Likewise, the UND strategic plan identifies goals, priorities and indicators of success. Budgeting processes are evolving to better reflect the new operating environment. The proposed project would include the following:

- 1) obtaining a working knowledge of the UND budget processes
- 2) learning about the financial structure of the institution (organizational and functional)
- 3) assisting in developing mechanisms to more broadly communicate budget process/status
- 4) assisting in refining the resource allocation process specifically dealing with pending budget needs.

Working with the budget director, the specific goals of the internship will be developed. The intern will have the opportunity to participate in budget office meetings and other meetings related to resource allocation (for example, the University Planning and Budget Committee). Work will be reviewed jointly on a regular schedule, and an open door policy will encourage ongoing dialogue.

Title: Enrollment Management (#2003-04)

Mentor: Alice L. Hoffert, Associate Vice President for Enrollment Management

Duration: 3 months

The intern will work with the associate vice president for enrollment management to gain an understanding of and experience in all aspects of enrollment management concepts in preparation for review of the institution's annual reports. The intern will attend and participate in meetings of various management groups (enrollment management team, enrollment management task force, etc.). The proposed project includes a review of the annual reports from campus departments to identify and compare various enrollment management strategies indicated in the reports. The intern would prepare a compilation, analysis, and written summary of the results obtained. The ability to work independently is important. In addition, analytical and good writing skills are beneficial.

Title: Public Relations Focus Groups (#2003-05)

Mentor: David Vorland, Director, University Relations

Duration: 3 months

The intern will work with David Vorland to (1) organize a series of campus meetings to test a new approach to positioning the university in its public relations and marketing efforts, (2) conduct research to determine the best practice in the area of integrated marketing, and (3) assist in organizing an approach to seeking external feedback on these matters. As an "old timer" at UND, Vorland has long been a student of the politics and practice of organizational behavior at UND and can provide the intern with insights into UND's corporate culture gained from many years of observing UND from inside the inner circle. Preference will be given to applicants with some background in the techniques and limitations of focus group research.

Title: Judicial Affairs Assessment Tool (#2003-06)

Mentor: Jerry Bulisco, Associate Dean of Student Life and Director of Judicial Affairs and Crisis Programs

Duration: 12 weeks

The project involves the development and implementation of a judicial affairs assessment tool to be used in evaluating the judicial affairs process at the University of North Dakota. The assessment will be used to better understand and improve the process and outcomes of judicial affairs. The assessment may focus on evaluating fairness, student learning, and professionalism in the university's judicial process as well as assessing students' overall satisfaction and development. The first six weeks will be devoted to developing and implementing the assessment tool; the second six weeks to analyzing the data. Associate Dean Bulisco will serve as a mentor in helping the intern develop administrative skills by demonstrating teamwork through weekly contacts, establishing deadlines, and ensuring the necessary follow-through in an organized manner. Evaluation of the intern's work will be based on completion of the assessment in a timely manner, openness to critique and constructive criticism, as well as the individual's ability to seek guidance and support with this project. Desired skills include a strong interest in program evaluations and assessments, a knowledgeable base in research, specifically in developing an instrument and analysis of data, and a desire to learn more about judicial affairs.

To apply, call 777-4824 or e-mail victoria.beard@mail.und.nodak.edu. Completed applications are due Friday, Sept. 26.

EVENTS TO NOTE

Speaker will discuss scientists and environmental policy

The Northern Great Plains Center for People and the Environment opens its fall 2003 distinguished speaker series with a talk by Roger Pielke Jr. titled "Scientists in Environmental Politics and Policy," Thursday, Sept. 11, at 4 p.m. in the Memorial Union Lecture Bowl. A reception precedes the talk at 3:30 p.m. The talk will also be webcast live at www.umac.org.

Dr. Pielke is a scientist at the Environmental and Societal Impacts Group at the National Center for Atmospheric Research in Boulder, Colo., and a Fellow of the Cooperative Institute for Research in the Environmental Sciences (CIRES). At CIRES he serves as the director of the Center for Science and Technology Policy Research; he also serves as director of graduate studies for the university's graduate program in environmental studies.

With a B.A. in mathematics and a doctorate in political science from the University of Colorado, Dr. Pielke's current areas of interest include understanding the relations of science and politics, technology policy in the atmospheric and related sciences, use and value of prediction in decision making, and policy education for scientists.

Dr. Pielke is a contributing lead author for the Millennium Ecosystem Assessment and serves on the advisory panel of the National Academy of Sciences Program on Societal Dimensions of Engineering, Science and Technology, and the science steering committee of the World Meteorological Organization's World Weather Research Programme, among other advisory committees. He sits on the editorial boards of Policy Sciences, Bulletin of the American Meteorological Society, and Natural Hazards Review.

– Rebecca Phillips, Odegard School.

Dakota Science Center lists programs

Upcoming programs at the Dakota Science Center are free to any age student:

"Archaeology, Anthropology, and Geology: All Sciences Related and Relative," Sept. 13 and 14, at 3 p.m., presented by Mike Davis, UND graduate student in geology. Discover new ways to look at the world around us through the eyes of science.

"The Mysteries of Forensic Science," Sept. 20, at 2:30 p.m., presented by Shauna Charles, UND biology and forensic science student. Explore a variety of forensic science techniques used by professionals in their jobs. Finger printing, analyzing blood spatters, and identifying other clues will help solve the mystery presented in this class.

Come have fun with the Dakota Science Center, where science is for everyone! For more information about digNubia activities, contact the Dakota Science Center at 795-8500.

– Dawn Botsford (Student and Outreach Services), for Dakota Science Center.

Chinese students will celebrate moon festival Saturday

The Chinese Student Association will celebrate the Chinese traditional moon festival and hold a Sino-U.S. Culture Colloquium with free Chinese food and games at 6 p.m. Saturday, Sept. 13, at the International Centre. Everyone is welcome.

– Jan Orvik, editor, for Weipeng Liu, president, Chinese Student Association.

Graduate committee meets Sept. 15

The graduate committee will meet Monday, Sept. 15, from 3:05 to 5 p.m. in 305 Twamley Hall. The agenda will include:

- Approval of minutes from Sept. 8.
- Request for change in credits for Microbiology 509: Immunology from two credits to three credits. See the paperwork for 509 and Microbiology 328. These courses are taught concurrently.
- Request for change in course title and revisions to course description for Chemical Engineering 512: Transport of Mass to Advanced Separations.
- Request for new course: Chemical Engineering 535: Metallic Corrosion and Polymer Degradation.
- Senate University assessment committee nomination.
- Student representation for graduate committee. Bring names to submit to the student body president.
- Matters arising.

– Joseph Benoit, Dean, Graduate School.

This float's for "U," Monday

To recognize the many ways UND employees contribute to the U2 program and to celebrate record-breaking enrollment this fall, we invite you to enjoy a root beer float and register for door prizes on Monday, Sept. 15, from 2 to 3:30 p.m. in the Twamley Courtyard. In case of rain, it will be held in the Memorial Union, River Valley Room.

Let U2 and Staff Senate help you celebrate State Employee Appreciation Week by joining us for a root beer float. Please clip the coupon on the Root Beer Float flyer to register for door prizes.

– Julie Sturges, U2 program assistant, University Within the University.

Celebrate State Employee Recognition Week Sept. 15-19

Employees are invited to participate in the events scheduled for State Employee Recognition Week, Sept. 15-19. Following is a summary of planned activities.

Monday, Sept. 15: 1 to 3 p.m., tours of the power plant; 2 p.m., 15-minute atmospheric show at the Arthur P. Anderson Atmospherium, 115 Odegard Hall; 2 to 3:30 p.m., This Float's for "U" – root beer floats sponsored by U2 and Staff Senate at Twamley Hall courtyard (rain location: Memorial Union River Valley Room).

Tuesday, Sept. 16: 6 to 7 a.m., night staff appreciation with rolls/juice/coffee, Memorial Union River Valley Room; 10 to 11 a.m. and 2 to 3 p.m., tours of the Human Nutrition lab (limit 20 people per tour), call Judy at 777-3010 to register; 11 a.m. to 1 p.m., tours of the Medical School (call Teresa at 777-2312 to register); 1 to 3 p.m., tours of aerospace facilities at the airport (pick-up at the Memorial Union bus stop every 20 minutes beginning at 12:40 p.m.); 1 to 3 p.m., tours of the power plant; 2 p.m., 15-minute atmospheric show at the Arthur P. Anderson Atmospherium in 115 Odegard Hall; 2 to 4 p.m., "Pie on the Porch," Gustafson Hall porch.

Wednesday, Sept. 17: 11:30 a.m. to 1 p.m., hot dog barbecue, \$1 (includes hot dog/chips/pop/ice cream), Swanson Memorial Union courtyard; 1 to 3 p.m., tours of the power plant; 2 p.m., 15-minute atmospheric show at the Arthur P. Anderson Atmospherium, 115 Odegard Hall; 4 p.m., 2003 State of the University address, Memorial Union Ballroom.

Thursday, Sept. 18: 1 to 3 p.m., tours of the power plant; 2 p.m., 15-minute atmospheric show at the Arthur P. Anderson Atmospherium, 115 Odegard Hall; 2 to 3:30 p.m., ice cream social, Memorial Union Ballroom; 4 p.m. to close, golf tournament - two person best ball, Ray Richards Golf Course, call 777-4340 to register (cost : pre-registered \$8/walk-ons, \$9, includes golf/pop/chips/hot dogs).

Friday, Sept. 19: 2 p.m., 15-minute atmospheric show at the Arthur P. Anderson Atmospherium, 115 Odegard Hall; years of service color day: 0 to 10 years, red; 11 to 20 years, white; 21 plus years, blue.

Also during this week, the UND Staff Senate and Council on State Employees (COSE) is sponsoring a food/shelter drive to help the Grand Forks Food Cupboard, Salvation Army, St. Vincent DePaul, and Red River Valley Community Action. Items can be dropped off in selected buildings on campus.

Norwegian Parliament member speaks at colloquium

Bjorn Hernaes, Norwegian member of Parliament and secretary of the Defense Committee in the Storting, will present a lecture Wednesday, Sept. 17, at 2 p.m. in 334 O'Kelly Hall to the School of Communication graduate studies colloquium. His talk is titled "Communications Issues Relating to Norwegian-American Relations in International Affairs, Including Defense Issues Regarding Iraq." All members of the University community are welcome. A reception in the Schlasinger Reading Room, 200 O'Kelly Hall, will follow the lecture. Contact James Hikins at 777-2581 for more information.

– School of Communication.

NDPEA meets Sept. 17

The North Dakota Public Employees Association (NDPEA), chapter 41, will hold its annual meeting Wednesday, Sept. 17, from noon to 1 p.m. in 10-12 Swanson Hall.

– Carol Hjelmstad (ITSS), president, chapter 41 NDPEA.

Cellular One offers employee discount

Cellular One offer 15 percent discount to UND employees. Representatives will be in the Memorial Union Wednesday and Thursday, Sept. 17 and 18, from 8:30 a.m. to 5 p.m. Contact Lisa Duckstad at 800-497-0634, lisa.duckstad@wwireless.com, or Dave Sorlie at 866-597-0589, or dave.sorlie@wwireless.com (note correct telephone number).

– Lois MacGregor, telecommunications.

Doctoral examination set for Katherine Lee Rathburn

The final examination for Katherine Lee Rathburn, a candidate for the Ph.D. degree with a major in counseling psychology, is set for 1:30 p.m. Thursday, Sept. 18, in the department of counseling, Montgomery Hall. The dissertation title is "Hardiness As a Career Transition Resource." Cindy Juntunen (counseling) is the committee chair.

Members of the public are welcome to attend. – Joseph Benoit, Dean, Graduate School.

Norwegian Parliament member speaks Sept. 18

The Center for Peace Studies cordially invites members of the campus community to a lecture by Norwegian Member of Parliament Bjorn Hernaes on "Norwegian American Relations and the Rebuilding of Iraq," Thursday, Sept. 18, at 4 p.m. in the Lecture Bowl of the Memorial Union. Hernaes is chair of the defense committee in the Norwegian Storting. There will also be an opportunity to visit with him at a reception following the lecture in the Fireside Lounge.

– Janet Kelly Moen, coordinator, Center for Peace Studies.

International Night features Cameroon

Join us at the International Centre, 2908 University Ave., at 7 p.m. Thursdays for International Night. Thursday, Sept. 18, will feature Cameroon. Enjoy international cuisine, learn about different cultures and make new friends.

– International Centre.

Sioux Boosters luncheon is Sept. 19

The next Sioux Boosters luncheon is Friday, Sept. 19, at noon, Alerus Center. The Fighting Sioux football and volleyball coaches will be featured. Lunch is \$8 and Sioux Boosters invites everyone to attend. There are no fees or membership requirements to be a part of Sioux Boosters.

– Stacey Whitlock, director of marketing, athletics.

Reflecting on Teaching: An All Campus Colloquium, set for Sept. 19

Please plan to attend "Reflecting on Teaching: An All-Campus Colloquium," Friday and Saturday, Sept. 19 and 20, in the Memorial Union. This is an opportunity to discuss with colleagues one of the most important aspects of our professional lives – our teaching! All events are free and you're encouraged to drop into any of the stimulating poster sessions or panel discussions that we have planned (a special session on Saturday requires pre-registration and is limited to 20 participants).

To register for the colloquium, just go to www.reflecting.und.edu and check out the session topics and online registration instructions, or stop by the Office of Instructional Development or the registration table at the conference.

The colloquium will feature Thomas Angelo, professor of education, associate provost, and founding director of the Institute for Teaching and Learning at the University of Akron. Dr. Angelo is known especially for his work with Classroom Assessment Techniques (CATs) and will speak on "Doing Assessment as if Learning Matters Most." This colloquium is sponsored by the Office of Instructional Development and the Archibald Bush Foundation. We hope to make it a regular UND event.

– Melinda Leach, colloquium chair, anthropology, 777-3697, melinda.leach@und.nodak.edu.

Writers Conference in Children's Literature is next week

"Writing and Illustrating Beyond Your Boundaries" is the theme for the 24th annual Writers Conference in Children's Literature to be held at the University Friday and Saturday, Sept. 19-20.

Guest faculty will be Cecile Goyette, senior editor at Dial Books for Young Readers; Marybeth Lorbiecki, author of *Painting the Dakota*; Seth Eastman at Fort Snelling, written with the guidance of a Dakota mentor; Anne Ylvisaker, author of *Dear Papa*, a novel-in-letters; and Karen Ritz, illustrator of 50 books for children, including *A Picture Book of Anne Frank*.

The conference will open Friday, Sept. 19, at 7 p.m., with a reception at the UND Museum of Art which is free and open to the public. This event will feature keynote speaker Marybeth Lorbiecki, author and freelance editor, whose speech is titled, "High Winds and Whitecaps on the Cross-Cultural Writing Voyage."

This conference is sponsored by the Society of Children's Book Writers and Illustrators and the Department of English.

For registration information, contact Ursula Hovet or Faythe Thureen, English; 777-3321.

Hardersen will outline proposal for astronomical observatory

Paul Hardersen (space studies) will give a presentation outlining an ambitious plan to build and operate the first professional astronomical observatory in North Dakota at 11 a.m. Monday, Sept. 22, in 210 Clifford Hall. The presentation will highlight the concept, vision, research and education goals, design, construction timeline and budgetary requirements. If you need any additional information, please contact me anytime.

– Paul Hardersen, space studies.

Grand Forks Master Chorale celebrates 21st year

The Grand Forks Master Chorale, now under the direction of Anthony Reeves, UND director of choirs, will start its 21st season with its annual fundraising “Just Desserts” concert, Tuesday, Sept. 23, 7 p.m., North Dakota Museum of Art. The Master Chorale will offer a glimpse of its upcoming season with an evening of sumptuous desserts, light entertainment and a raffle of many wonderful prizes, including tickets (in some cases season tickets) to the Chester Fritz Auditorium, Empire Arts Center, Fire Hall Community Theatre, Grand Forks Master Chorale, Greater Grand Symphony Orchestra, North Dakota Museum of Art, UND Department of Music, UND Department of Theatre, two chances to win a concert by 4bLoWzErO; various packages from King’s Walk, Manvel River’s Edge, Ray Richards Golf Course and golf balls and sport towels from Jim Donahue / American Family; photos and/or artwork from ARTCO Photography and Badman Art; gift cards or certificates from Grizzly’s, River Bend, and Sanders; various stay packages from Best Western Townhouse, Comfort Inn, Hilton Garden Inn, Holiday Inn, Lakeview Inn & Suites, Roadking Inn-Columbia Mall, Settle Inn; and other prizes from Grand Forks Master Chorale, Grand Limousine, Merry Maids and Party Lite. Raffle tickets are \$5 each. To order tickets, send your name, the number of tickets you want, and your phone number to mjohnson@gra.midco.net.

The Grand Forks Master Chorale schedule for the rest of the year includes:

“Music to Feed the Soul” — Sunday, Oct. 26, 7:30 p.m., Sacred Heart Church - 200 3rd St N.W., East Grand Forks. Features the splendid Requiem by Maurice Duruflé and motets by Duruflé, Fauré, Elgar, and Stravinsky.

“On Christmas Night . . .” — Sunday, Dec. 7, 7:30 p.m., St. Michael’s Church, 6th Ave. N., Grand Forks. The Master Chorale and special guests the Grand Cities Children’s Choir ring in the holidays for the Grand Forks area with a celebration featuring Christmas music from Gregorian chant to the present day in the beauty of St. Michael’s Church sanctuary.

“Music from the Grand Siècle” — Sunday, Feb. 29, 3:30 p.m., United Lutheran Church, 324 Chestnut St., Grand Forks. Oak Grove High School Choir will join the Grand Forks Master Chorale for a musical journey to the splendor of the court of the Sun King, Louis XIV.

“Masterwork – Rachmaninoff: All Night Vigil.” — Sunday, May 2, 7 p.m., Holy Family Church, 1018 - 18th Ave. S., Grand Forks. The Master Chorale will be joined by the UND Concert Choir in presenting the stunningly spiritual masterpiece of Sergei Rachmaninoff.

Students invited to take family members to class Sept. 26

Family participants at this year’s Family Weekend have been invited to participate in the academic lives of their students during their visit to UND. They’re encouraged to “sit in on a lecture or just tag along and see what a normal day at UND is like,” Friday, Sept. 26. Students will be asked to avoid taking their families to classes in which tests will be given. While it’s hoped that many families will take advantage of the offer, we’re uncertain how many will participate. This is intended to provide you with advance information that this may occur. Thanks in advance.

– Kenton Pauls, director of enrollment services.

Family Weekend set during Homecoming

This year’s Family Weekend is scheduled during Homecoming, Sept. 26 and 27. Family Weekend is two days filled with fun and educational activities to acquaint families to campus and the University environment. It is designed to bring families of UND students together to celebrate the excellence and excitement of the University. A complete schedule of activities is available online at http://www.und.edu/dept/sas/familywknd/Family_Weekend_BrochureWeb.pdf.

– Rochelle Bollman, Enrollment Services.

Agenda items due for Oct. 2 University Senate meeting

The University Senate will meet Thursday, Oct. 2, at 4:05 p.m. in Room 7, Gamble Hall. Agenda items for this meeting are due in the Office of the Registrar by noon Thursday, Sept. 18. They may be submitted electronically to: Nancy.Krogh@mail.und.nodak.edu. It is recommended that some detail be included in the agenda items submitted.

– Nancy Krogh, University registrar and secretary, University Senate.

Agenda items due for Oct. 3 IRB meeting

The Institutional Review Board will meet at 3 p.m. Friday, Oct. 3, in 305 Twamley Hall, to consider all research proposals submitted to the Office of Research and Program Development before Tuesday, Sept. 23. Proposals received later will be considered only if a quorum has reviewed them and time permits.

Clinical medical projects must be reviewed by the clinical medical subcommittee before being brought to the full board. Proposals for these projects are due in the Office of Research and Program Development Tuesday, Sept. 16.

Notes from the meeting will be available in ORPD approximately one week after the meeting.

– John Madden (communication sciences and disorders), chair, Institutional Review Board.

Retired pilot will discuss alcohol and flying

Capt. Lyle Prouse, (Ret.) Northwest Airlines, will discuss "Alcohol and Flying" at 7 p.m. Wednesday, Oct. 15, in the Chester Fritz Auditorium.

In 1990, Prouse and his crew went to a bar in Fargo for a few drinks. A patron overheard them talking, realized they were airline pilots, and made an anonymous call to the FAA. When the next morning's Northwest flight landed in Minneapolis, the crew was arrested and charged as the first violators of a 1986 federal law which criminalized operating an air carrier under the influence of drugs or alcohol.

Capt. Prouse lost his job, the FAA revoked all his pilot certificates, and he was sent to a federal prison in Atlanta. After his release, he eventually re-earned all his pilot certificates, received a pardon from President Clinton and was rehired by Northwest Airlines, where he retired as a B-747 captain.

Now retired, Prouse doesn't speak publicly. But he is willing to share his story with pilot groups in hopes that he can help others in the aviation industry with decisions regarding alcohol and flying. His presentation at UND's fall aviation safety meeting on Oct. 15 will be his first at a university aviation program.

It is free and open to the public.

– Odegard School.

Conference focuses on integrating technology, teaching, and learning

The second annual Beyond Boundaries conference, "Integrating Technology into Teaching and Learning," is set for Thursday and Friday, Oct. 23-24, in the Memorial Union. The conference is designed to promote discussion about innovative practices using technology in teaching and learning.

Visit www.beyondboundaries.info for more information and to register. Register by Friday, Oct. 10, to save \$25.

"Beyond Boundaries" highlights regional faculty and administrators' experiences and successes with technology in various learning environments. Conference sessions apply to those with beginner, intermediate and advanced knowledge about e-learning and are targeted for those involved in higher education.

More than 35 information-packed professional development sessions are designed to give you successful strategies for implementing technology into teaching and learning. You will compare online and traditional classroom delivery outcomes, and examine the latest products and services of companies who offer hardware, educational software and web activities that enhance e-learning.

Enjoy food, fun, friends and artwork at the Beyond Boundaries reception at the North Dakota Museum of Art Thursday, Oct. 23, from 5 to 6:30 p.m.

Keynote speakers are: Tony Bates, director of distance education and technology, Continuing Studies at the University of British Columbia. He is responsible for managing the development and delivery of 100 distance education courses with 5,500 student enrollments a year. He is also the director of an international center for planning and managing learning technologies in higher education established at UBC. He is the author of six books, including his latest, *Teaching Faculty How to Use Technology*, published in 2001 by ACE/Oryx. A previous book, *Technology, Open Learning and Distance Education*, won UCEA's Charles Wedemeyer award for the best book on distance education published in 1995.

Steven W. Wilbert founded the Teaching, Learning, and Technology (TLT) Group, an independent nonprofit organization originally affiliated with the American Association for Higher Education (AAHE) in January 1998. He came to AAHE as director of technology projects in July 1993, where he developed the TLT Roundtable concept and the AAHESGIT listserv. Previously, he served as vice president of EDUCOM.

For more information or to register, visit www.beyondboundaries.info for a detailed schedule, conference fees and to register. Or, call the office of conference services at 777-2663 or 866-579-2663. You can also e-mail us at conferences@mail.und.nodak.edu.

– Jennifer Raymond, coordinator, conference services, Continuing Education.

ANNOUNCEMENTS

University Senate elects leadership

Walter Tschacher (languages) was elected 2003-2004 chair of the University Senate at the Sept. 4 meeting. The Senate also elected Richard Crawford (biology) as vice chair.

Jan Goodwin (nutrition and dietetics) and David Perry (social work) were elected for two-year terms as faculty representatives on the committee on committees. Al Fivizzani (biology) was elected to a two-year term as faculty representative, and Student Body President Adam Baker was elected to a one-year term as student representative on the Senate executive committee. The executive committee, which establishes the agenda for meetings of the University Senate and acts in the Senate's place when necessary between Senate meetings, also includes new Senate chair Walter Tschacher, vice chair Richard Crawford, secretary Nancy Krogh (registrar), its immediate past chair Jan Goodwin, Faythe Thureen (languages), (now in the second year of her two-year term as faculty representative), Curt Stofferahn (sociology) from UND's delegation to the Council of College Faculties, and Provost John Ettling.

-- Nancy Krogh, University registrar and secretary, University Senate.

Scott Bosler joins wellness staff

Scott Bosler has joined the staff of the Wellness Department as coordinator of campus recreation/special events. He will oversee the intramurals program and special events such as 5K and 10K runs, Natural High, and other recreation and wellness-related activities.

Bosler earned a bachelor's degree in finance and a master's degree in sports and leisure management, both from the University of Iowa. He most recently served as coordinator of intramurals and sports clubs at the University of Toledo, a position he held for five years. His office is in 264 Hyslop Sports Center.

– Wellness Department.

You're invited to join a faculty study seminar

Faculty study seminars (FSS) offer an opportunity for faculty to meet with a small group of colleagues sharing an interest in teaching and learning. Three groups will be offered this fall, each organized around a recent book or set of readings, provided for participants by the Office of Instructional Development. Groups typically meet four times during a semester – first holding a planning session and then meeting to discuss readings at a pace and on a schedule agreed to by group members during their planning session. Study seminars for fall 2003 are:

1. *Teaching with Your Mouth Shut* by Donald L. Finkel. Drawing on a 25-year-old body of research demonstrating that retention is improved by experiencing rather than only hearing or reading, Finkel advocates learning rooted in using concepts rather than remembering rules or facts. He explains that teaching with your mouth shut entails "providing

students with instructive experiences and then provoking them to reflect on those experiences" so that the thinking is directly experienced by the student rather than done by the teacher and modeled for students. Moreover, Finkel believes this model of thinking and understanding as learning is applicable throughout higher education. (Facilitator: Joan Hawthorne)

2. The Effective, Efficient Professor by Richard M. Felder. According to the cover blurb, this book develops methods to improve the proficiency and time management skills of faculty in all areas of their careers. Most faculty are discipline experts but have not studied methods to improve their teaching, scholarship, or service. This book applies efficiency and time management methods to academe, showing how student learning and academic productivity can be improved by being aware of effective time management techniques. A variety of efficient and effective teaching methods are explored. Scholarship, service, and working with graduate students are also discussed. (Facilitator: Libby Rankin)

3. General Education and the Idea of a University. The general education requirements constitute a major component of undergraduate education at UND. But what exactly are the goals and philosophies of general education? How do they contribute to the idea of the university and, most importantly, how does general education affect student learning? There are a multitude of theories and models for general education curriculums, and in this seminar we will examine several of them by reading various articles and book chapters that detail philosophies, experiments, and arguments about what general education should be. (Facilitator: Tami Carmichael)

To sign up for any of these faculty study seminars, contact Joan Hawthorne at joan.hawthorne@und.nodak.edu or 777-6381. Mention the group you'd like to join, and include a copy of your fall semester schedule. Your group will begin meeting later this month after books for all participants have arrived.

– Joan Hawthorne, Writing Across the Curriculum coordinator.

ConnectND will replace mainframe system

North Dakota's Enterprise Resource Planning (ERP) Implementation Project, ConnectND, at <http://www.nodak.edu/connectnd/> contains information on North Dakota's statewide implementation to replace the current mainframe legacy (CICSA, CICS, TSO, etc.) system.

ConnectND is the PeopleSoft ERP software system being configured to replace the current administrative computer functions that handle student administration on campuses, and financial and human resource applications throughout higher education and North Dakota state government. ConnectND will upgrade outdated systems and expand services for all state employees as well as students. Personnel from general government and the North Dakota University System are assisted in this installation by Maximus, an implementation company.

The three major functional areas of the project are: student administration, financials, and human resources. Starting in September, IVN sessions are scheduled for 9 a.m. each Thursday morning. One session will be a general ConnectND update with the other three sessions geared to specific end users in the major functional areas. The schedule follows:

- First Thursday of the month, financial end users update
- Second Thursday of the month, general ConnectND update
- Third Thursday of the month, human resources update
- Fourth Thursday of the month, student administration update

You are welcome to attend any and all sessions in the Gamble Hall IVN room. If you are an end-user of any of the major functional areas you may find it beneficial to attend that session.

This announcement information is taken from the North Dakota Enterprise Resource Planning (ERP) implementation project web page referred above. If you have any questions concerning this information please contact the Information Technology Systems and Services help desk, 777-2222.

– Rose Keeley, ITSS.

Developmental leave applications due soon

Eligible faculty and staff who wish to apply for developmental leave projects during the 2004-05 academic year may submit proposals to their chair and dean (for faculty) or administrative supervisor (for staff). Faculty and staff who expect to submit an application should discuss their plans with the appropriate supervisor(s) prior to formally submitting a proposal.

Developmental leaves are funded from existing resources in the departments and colleges.

Developmental leave applications and copies of the State Board of Higher Education Policy 701.2 governing developmental leaves are available in the Office of Academic Affairs, 302 Twamley Hall. Forms are also available at www.und.edu/dept/vpaa/acadaffr/AAForms.html. Please consider the following before applying for a developmental leave:

At least six years of regular service should have elapsed since one's initial appointment or since the last developmental leave.

- A final report addressing the outcomes of the previous leave must have been filed. These reports indicate the likelihood the candidate can successfully accomplish the proposed plan of work.
- A substantive tangible product is the ultimate expected outcome.
- The proposed project should not be the subject of an earlier developmental leave.
- The proposed project should benefit significantly from, or would not be possible without, the developmental leave.
- Developmental leaves to take place locally must clearly address the reasons why the proposed work could not be done elsewhere.

Preference will be given to proposals that:

- Involve significant travel elsewhere;
- Have some support (financial or otherwise) from another source (or institution).

Other guidelines:

- Normally, a maximum of two faculty per academic department may take leaves concurrently.
- Requests for one year of support should normally involve two consecutive semesters.
- Faculty who are on developmental leave should refrain from participating in departmental governance and on committees.
- Faculty planning to apply for a developmental leave should consult with the departmental chairperson and the dean of the college before submitting a proposal.

Applications will be reviewed at the college and/or administrative supervisory level. All proposals are due in the Office of the Vice President for Academic Affairs on or before Nov. 14. The applications will also be reviewed by the Council of Deans, provost, and the president. Final approval of the proposals must await the approval by the State Board of Higher Education of UND's 2004-05 salary budget.

– John Ettling, provost and vice president for academic affairs.

Duplicating services lists drop-off, pick-up locations

The following are drop-off and pick-up locations for duplicating services.

Drop-off locations:

- Duplicating services, central receiving building hours are 8 a.m. to 4:30 p.m. There is an after-hours drop box.
- Campus postal services, lower level, Memorial Union, hours are 9 a.m. to 4:30 p.m. We cannot guarantee three-hour turnaround if jobs are dropped off here.

Personal and departmental pick-up locations:

- Departmental jobs that are completed will be put in your mailboxes for pickup or delivery. They also can be picked up at duplicating services, central receiving.
- Personal jobs can be picked up and paid for at campus postal services, lower level, Memorial Union, 9 a.m. to 4:30 p.m.

Test pick-up locations:

- Tests can be picked up at duplicating services, central receiving building or campus post office, Memorial Union. Tests may also be delivered with the mail. Please indicate the desired delivery location on the test form.

If you have any questions, please call me at 777-3736. – Sherry Metzger, duplicating services.

September issue of NewsBytes available online

NewsBytes, the Information Technology Systems and Services newsletter, September 2003 issue, is now available. Please check the ITSS home page, <http://www.und.edu/dept/itss/>, click on the black documentation button, scroll down to ITSS, select NewsBytes - ITSS Newsletter, then select the September 2003 issue for the latest news, or go directly to the URL: <http://www.und.nodak.edu/dept/itss/news/sept03/sept03.html>.

The September articles include:

Campus Network Update

ConnectND

Protect Against Viruses

PageCenter is Going Away!!

Announcing New Staff Members: Grant Erickson, Jan Gierman, Erik Johnson, Janna Kruckenberg, and Maria Saucedo.

If you or someone in your office are interested in receiving electronic notice when a new edition of NewsBytes is published, please subscribe to the list by sending e-mail to listserv@listserv.nodak.edu with the command in the body of the mail on just one line stating: SUBSCRIBE UND-NewsBytes yourfirstname yourlastname. You may also e-mail Rose.Keeley@mail.und.nodak.edu and request your name be added to the list.

If you have any questions, comments, or suggestions please feel free to drop a note to the above e-mail address. The UND-NewsBytes list is not intended for conversations or exchanges of ideas, it was created specifically for the purpose of notifying interested parties when a new issue of News Bytes is available. It may also be used to notify you of an urgent late breaking news announcement from ITSS. Hope you join the list and enjoy the articles in NewsBytes.

– Rose Keeley, ITSS.

Phi Beta Kappa members sought

Members of the faculty and staff who, while students here or elsewhere, were elected to membership and were initiated into Phi Beta Kappa are asked to identify themselves to the UND chapter so they may participate in its affairs. Please inform me by phone at 777-4085 or by e-mail at ellen.erickson@und.nodak.edu. The UND chapter of Phi Beta Kappa soon will begin its activities for the year, and initiations will take place in early December and April. Our Phi Beta Kappa visiting scholar this year is Margaret Berger, the Suzanne and Norman J. Miles Professor of Law at Brooklyn Law School. She was recently recognized by the American Law Institute/American Bar Association with the Rawle Award for her role in developing new approaches to judicial treatment of scientific evidence and in educating the legal and science communities about ways to implement these approaches. She will be on campus April 26 and 27. Please watch for further announcements.

– Ellen Erickson, (assistant provost), secretary-treasurer, UND chapter of Phi Beta Kappa.

Host families sought for international students

The American Language Academy is seeking host families for international students. You provide a private, furnished bedroom, food for all meals, a way to get to and from school, and enthusiasm for other cultures. You receive a rewarding multi-cultural experience and \$1,200 for each eight-week session. Call 777-6785 for more information.

– Patricia Young, American Language Academy.

Nominations sought for student ambassadors

Enrollment services is currently accepting applications for student ambassadors for the 2003-2004 academic year. An integral part of the orientation process, ambassadors work with new students to prepare them for university life, talk about UND with students at their high school, help with recruitment and retention projects, and represent the University at campus events.

The success of the orientation program greatly depends on the type of student who becomes an ambassador. Students who are successful in this position are those who show a high level of involvement in their educational experience. Qualities we are seeking include a strong academic background, involvement in campus and community activities, effective leadership and communication skills, a positive outlook on campus life, and a caring attitude toward fellow students.

We would appreciate your assistance in recruiting qualified leaders by providing the names of students that you feel would be an asset to the program. We will send them more information about the program.

Thank you for your assistance in this important project. Please submit nominations to me by Sept. 19.

– Rochelle Bollman, Enrollment Services, Box 8135, 777-6468, rochelle_bollman@mail.und.nodak.edu.

Motor pool rates adjusted

As of Sept. 1, the North Dakota State Fleet adjusted motor pool rates as follows. Please use these rates when calculating a trip using a motor pool vehicle.

Vehicle Type - UND Rate Per Mile

Compact sedan - 0.286

Minivan - 0.406

Van, 8 passenger - 0.496

Van, 15 passenger - 0.496

Compact 4x4/Jeep - 0.396

Suburban, 6 passenger - 0.416

Chevy S-10 pickup - 0.466

Cargo van-full size - 0.456

Mini cargo van - 0.466

Per Mile Per Day

47 passenger motorcoach \$1.08 \$330.

Overnight is actual lodging cost.

Total cost = per day + per mile + actual lodging

– Mary Metcalf, transportation manager, 777-4123.

Pre-school children's music classes offered

The University community music program offers Musiktanz classes for children ages 15 months through kindergarten. Musiktanz is a curriculum developed by Lorna Lutz Heyge, an internationally recognized author and early childhood music educator. She is the founder of Kindermusik and author of the early childhood curriculum, "Cycle of Seasons." In the Musiktanz program the teacher acts as a role model to assist the parents/care givers in working musically with their children. The parents/care givers attend the children's lessons and participate with them in classes which are comprised of a variety of developmentally appropriate musical activities involving singing, moving, playing, creating, and listening. Emphasis in these classes is on having fun while building musical skills and developing a love of music. Moreover, research has shown that participation in such programs may improve skills tied to academic success as well.

Level I (ages 15 months-3 years) meets at 6 p.m. Thursday nights. Level II (ages 3 years-kindergarten) meets at 6:30 p.m. Thursday nights. Both classes meet for a half hour 12 times during the semester in 258 Hughes Fine Arts Center starting Sept. 18. They are taught by Teri Preston, an experienced teacher. Cost for each level is \$65 per semester. For more information call 777-2830 or 777-2644.

– Barbara Lewis, community music.

Conversation partners needed

The American Language Academy is seeking conversation partners for international students. If you have at least one free hour per week and enjoy meeting new people, we would like to meet you. ALA@UND has international students looking for individuals to spend time talking with them. This is an excellent opportunity to learn about another culture while making new friends.

– Patricia Young, American Language Academy, 2 O'Kelly Hall, box 7145, 777-6785.

Adult piano class and guitar lessons offered

University community music offers two new programs this fall ss and guitar lessons. The adult piano class is for begi ho wa

nt to start playing again after a hiatus. For more information call Jeff Dasovick at 777-2829. Dasovick also teaches private piano lessons. For information about guitar lessons for children or adults, call Stig Hansen at 772-7856.

– Barbara Lewis, community music.

Discounts available for moving services

The University has agreements with Allied Van Lines and United Van Lines (Wherley) for moving services. These agreements offer discounts for UND faculty, staff, students, alumni and retirees.

Please note that use of these agreements must be solely arranged between the user and the moving company. No financial obligation to the University can be made by the user or the moving company. For more information, please contact the purchasing office at 777-2681.

– Gerald Clancy, acting director of purchasing.

U2 workshops listed for Sept. 22 to Oct. 3

Below are U2 Workshops for Sept. 22 through October 3. Visit our Web site for additional workshops in September, October and November.

Please reserve your seat by registering with U2 by phone, 777-2128; e-mail, U2@mail.und.nodak.edu; or online, www.conted.und.edu/U2/. Please include workshop title and date, name, department, position, box number, phone number, e-mail address, and how you first learned of the workshop. Thank you for registering in advance; it helps us plan for materials and number of seats.

Parents Do Make a Difference: Sept. 23 and 25, 1 to 2:30 p.m., Christus Rex Lounge. Have you talked to your child about alcohol and drugs? Would you like to increase the odds of your child remaining drug/alcohol free? Do you know how to talk about the risks of underage drinking? For information on these topics and more, register for this three hour seminar. This seminar is geared for parents of young children or those who work with youth. Presenters: Amy Brooks and Jodie Goetz-Olson, youth diversion specialists from Lutheran Social Services of North Dakota.

Working in Confined Spaces: Sept. 25, 2 to 4 p.m., Sioux Room, Memorial Union. Confined spaces can be deadly. Reinforce understanding of the risks associated with working in confined spaces such as manholes, trenches, cable vaults and attics. The following topics are included in the workshop: identification of a confined space and its conditions; toxic, flammable, and oxygen-deficient atmospheres; hazards and proper personal protective equipment; and roles and responsibilities. Presenter: Jason Uhlir.

Creative Desktop Publishing with PageMaker: Sept. 26 and Oct. 3, 8 a.m. to noon, 235 Starcher Hall. Fee: \$60 (includes materials). Gain knowledge in the use of PageMaker 6.5 to create visually appealing posters, flyers, newsletters and more. Learn this popular desktop publishing technology through a hands-on approach. You are encouraged to bring project ideas to work on. Presenter: Lynda Kenney, department of technology.

Transaction Classification Code (TCC listing): Sept. 26, 9 to 10 a.m., Memorial Room, Memorial Union. This class will show how to use TCC listings and provide clarification on how items should be coded. Presenters: accounting services.

Purchasing Policies and Procedures: Sept. 26, 10 to 11 a.m., Memorial Room, Memorial Union. Find out who is responsible for the process of purchasing, obligations of process time, receiving acceptance, payment, product use, maintenance, insurance, and on to final disposal. Presenters: purchasing office.

Annual Reporting Update: Sept. 29, 9 to 10:30 a.m., 361 Upson II Hall. This is a workshop to familiarize campus units with the NEW web application for submitting annual reports via the web, as well as previewing and printing the web report. If possible, please bring an electronic copy of last year's annual report with you to the workshop. Presenters: Carol Drechsel and Carmen Williams, institutional research.

Supervisor's Role With Work-Related Injuries: Sept. 29, 1 to 2:30 p.m., 16-18 Swanson Hall. This class is designed to identify the role and responsibilities of the supervisor when a work-related injury has taken place. The workshop will review UND's procedures as well as information about the North Dakota Workers' Compensation Bureau. Presenter: Claire Moen.

360 Customer Care (limited seating): Sept. 30, 9 to 11 a.m., 305 Twamley Hall. "Who is your customer and how important is your role in creating a positive experience for that customer? What is good customer service? What do you

do when you have a difficult customer?" Presenter: Joy Johnson.

HTML: Sept. 30 and Oct. 2, 9 to 11:30 a.m., 361 Upson II Hall. Learn how to create a Web page with Hyper Text Markup Language, graphics and links.

Defensive Driving: Sept. 30, 12:30 to 4:30 p.m., River Valley Room, Memorial Union. This workshop is required by State Fleet for all UND employees who drive State Fleet vehicles on a regular (monthly) basis, received a traffic violation, or had an accident while operating a State Fleet vehicle. Employees are encouraged to bring a family member. This workshop may also reduce your North Dakota insurance premiums and could possibly take away points from your driving record. Presenter: Jason Uhlir.

Supplemental Retirement Annuities (SRA's): Oct. 1, 4 to 6 p.m., 211 Rural Technology Center. This program explains how a supplemental retirement annuity offers you an easy, affordable, and tax-deferred ways to build the additional assets you may need to adequately support a longer life-span. Significant other/partner welcome. Presenter: Molly Melanson, TIAA-CREF individual consultant.

Supplemental Retirement Annuities (SRA's): Oct. 2, 10 a.m. to noon, River Valley Room, Memorial Union. This program explains how a Supplemental Retirement Annuity offers you an easy, affordable, and tax-deferred ways to build the additional assets you may need to adequately support a longer life-span. Significant other/partner welcome. Presenter: Molly Melanson, TIAA-CREF individual consultant.

– Julie Sturges, U2 Program Assistant, University Within the University.

REMEMBRANCE

Remembering Rose Kemper

It is with regret that we announce Rose Kemper, Rochester, Minn., retired administrative assistant for the School of Engineering and Mines, died Sept. 3.

She began working at the University in 1972 as part of the Man in the Sea project. She moved to the engineering dean's office in 1977 and remained there until retirement in 1989.

She is survived by her husband, Robert, associate professor emeritus of accounting and business law; brother- and sister-in-law Gene (associate vice president emeritus of academic affairs and professor emeritus of mathematics) and Mickey (retired administrative assistant for continuing education) Kemper, as well as other relatives.

She was preceded in death by sons, Bruce in 1983 and Scott in 2002. A memorial service will be held in Grand Forks at a later date.

– Jan Orvik, editor, with information from Gene and Mickey Kemper.

GRANTS & RESEARCH

July grant recipients listed

The Office of Research and Program Development congratulates the following faculty and staff who were listed as principal or co-principal investigators on awards received during July.

Aerospace network: Henry Borysewicz; anthropology: Dennis Toom, Greg Wermers; ASEND/EPSCoR steering committee: Roger Melvold; Center for Rural Health: Mary Amundson, Brad Gibbens, Susan Offutt; chemistry: Mark Hoffmann, Kathryn Thomasson; Chester Fritz Library: Patricia Berntsen; counseling: Cindy Juntunen-Smith; EERC: Ted Aulich, Steven Benson, Donald Cox, Michael Holmes, Jason Laumb, Donald McCollor, John Pavlish, Daniel Stepan, Jeffrey Thompson; electrical engineering: Arthur Miles, Hossein Salehfar; family medicine: James Beal, William Mann, Roger Schauer; geology and geological engineering: William Gosnold; information systems and business education: Sandra Braathen; mailing services: Darin Lee; medical education: Linda Olson; microbiology and immunology: Ann Flower; nursing: Ginny Guido, Elizabeth Nichols, Eleanor Yurkovich; pharmacology, physiology and therapeutics: Joseph Benoit, James Porter; physics: Ganishka Marasinghe; medical school research affairs: Manuchair Ebadi; Small Business

Development Center: Christine Martin; social work-CFSTC: Peter Tunseth; sociology: Cordell Fontaine; teaching and learning: Lynne Chalmers; University Children's Center and Child Care Services: Jo-Anne Yearwood.

-- William Gosnold, Interim Director, Office of Research and Program Development.

Applications invited for research seed money

The University Senate invites applications for faculty research seed money awards. The deadline for submission will be announced in subsequent printings of the University Letter; individuals submitting proposals can expect the earliest submission deadline will be Oct. 15. Program details follow.

Description: The faculty research seed money council (the "council") distributes funds to support projects by faculty in any department of the University. The goal of the seed money program is to raise the level of faculty scholarship at the University. An additional goal is to enhance the ability of the faculty to submit successful extramural grant applications.

Eligibility: Applicants must have a faculty appointment at UND.

Review criteria: Proposals will be subject to competitive review and ranking by discipline-related subcommittees whose members are chosen by individual departments. The review committee will prioritize requests for funding by evaluating each request for its merit as a scholarly project. This will include a consideration of the originality of the project, its significance as a contribution to the relevant discipline, the intent of the submitting scholar to publish in a peer-reviewed journal or otherwise professionally share the results of the project, and (where appropriate) the likelihood that the project will result in a successful request for external support of future scholarship.

Application format: The application should be prepared to be understood by and convince a general audience, only some of whom may be proficient in the applicant's area. The following headings and page limitations apply:

Research or Project Plan

Include aims, background, significance, approach, methods

Format: Three pages maximum, one inch margins, single spaced, not to exceed six lines per linear inch. (The three-page limit for the project plan will be strictly enforced. Proposals exceeding the limit will be returned without review.

Appendices circumventing this limit will be discarded.)

- Detailed budget (including justification)
- Biographical sketch (two pages maximum)

Current and pending grant support (title and short description, agency, requested amount)

- Historical grant support at UND (including national, private and seed money awards)
- List of extramural applications submitted but not funded (include past three years)
- Statement of intent to submit extramural application (title, agency, time period, funds to be requested). Where support is requested for a project that will not serve as the basis for an extramural application, then potential future sources of external funding should be listed.

Budget: The budget timeline maximum is 18 months. Award amounts will range from \$1,000 to \$40,000 per proposal.

Extensions of the budget beyond the proposed timelines will be considered on a case-by case basis. Projected expenditures must be reasonable, justified and directly related to the project.

Deadline: The deadline for submission will be announced in subsequent printings of the University Letter. Individuals submitting proposals can expect the earliest submission deadline will be Oct. 15. Departmental review or signatures that are common with other proposals are not needed for application for faculty research seed money funding.

Each researcher determines which subcommittee will review their proposal. You are not limited to the subcommittee to which your department is affiliated; the choice of subcommittee should be based on the nature of the proposal. This will allow reviewers who are familiar in the area of science, arts, or humanities, and the nature of the project (creative activity, quantitative or qualitative research) to take part in the consideration of the request.

Please indicate the subcommittee to which the proposal is being submitted. Also, determine the number of copies required for that section (listed in parentheses on accompanying page).

Any questions or concerns should be directed to Warren Jensen, 217 Odegard Hall, Box 9007, 777-3284, wjensen@aero.und.edu or Bill Sheridan, bill.sheridan@und.nodak.edu or 777-4479. Information can be obtained through

the research web page link at <http://www.und.edu/research/>. Please do not direct your questions to ORPD.

Submit the original plus the appropriate number of copies of your proposal to:

Faculty Research Seed Money Council

c/o ORPD, 105 Twamley Hall

Campus Box 7134

Attn: Review Committee (Note the subcommittee you have selected)

Faculty research seed money

Proposal sections (number of copies to submit)

Composition of evaluation committees

Behavioral Sciences (10): Communication, communication sciences and disorders, counseling, educational leadership, educational foundations and research, psychology, physical education and exercise science, statewide psych-mental health, teaching and learning.

Basic Medical Sciences (7): Anatomy and cell biology; biochemistry and molecular biology; microbiology and immunology; neuroscience; pharmacology, physiology and therapeutics; pathology.

Engineering and Technology (8): Aviation and aerospace sciences, chemical engineering, civil engineering, computer science, electrical engineering, technology, mechanical engineering.

Health Sciences (11): community medicine, family medicine, internal medicine, nutrition and dietetics, obstetrics-gynecology, occupational therapy, pediatrics, physical therapy, surgery. Humanities and Fine Arts (8): art, English, history, languages, music, philosophy and religion, theatre arts.

Physical Sciences (9): Atmospheric sciences, biology, chemistry, geography, geology and geological engineering, mathematics, physics, space studies.

Professional Disciplines (7): Accounting, finance, information systems and business education, management, marketing, practice and role development (nursing).

Social Sciences (9): Anthropology, economics, family and community nursing, Indian studies, law, political science and public administration, social work, sociology.

-- Warren Jensen (aviation), chair, faculty research seed money council.

Human subjects research must be approved

The Institutional Review Board (IRB) must review and approve any research carried out at the University of North Dakota that involves human subjects or participants, before that research is begun. An IRB review is mandated by the federal government to protect human subjects and is subject to federal regulations and monitoring. The federal regulations are available on the Office of Research and Program Development (ORPD) web page at www.und.nodak.edu/dept/orpd/regucomm/irb/IRB%20manual.htm. The North Dakota Board of Higher Education and UND policies also require completion of this review process.

The required documents are available on the ORPD web page. As you prepare your proposal for submission, please be sure to address all relevant items listed on the proposal form. When reviewing proposals, IRB members use the checklist to determine whether each item listed on it that applies to your proposal is addressed properly. Also, please phrase your proposal in "educated layman's" terms so that it is understandable to IRB members who may not have a technical knowledge of your field.

You can submit your proposal to the Office of Research and Program Development in 105 Twamley Hall, or mail it to ORPD, Box 7134. Based on the nature of your research, your proposal either will be reviewed by an individual board member or by the full IRB. Should a full board review be necessary, the IRB coordinator will contact you to explain the process and requirements. You will be assigned a reviewer in either case, and you should feel free to discuss your proposal with the reviewer if you have any concerns or questions. Should revisions be necessary, you will receive a written request to make the changes and resubmit your proposal. The IRB makes every effort to review proposals in a timely manner. The review process may take several weeks, however, and researchers therefore are urged to submit proposals well in advance of the proposed start date.

Before you can begin your research, you must complete an educational program on human subject protection. The UND

IRB now has three options for fulfilling the educational requirement. The first option is an internet-based set of modules sponsored by the Collaborative IRB Training Initiative (CITI) and the University of Miami. The CITI course consists of a group of modules encompassing the history of the IRB system, the regulations governing human subjects research, and topics specific to areas of particular importance, controversy or complexity. Each module has a quiz associated with it. The researcher should choose the track that best fits his or her type of research, either Biomedical Research or Social/Behavioral Research. The IRB determined that modules 1-12, 14-16 must be taken by all investigators. Registration for the modules is accessible at the URL <http://jaguar.ir.miami.edu/~citireg/forms/citi.jsp>. Those requiring for the course will receive a password by e-mail, generally within 24 hours. Specific UND requirements are listed on the UND institutional page available on the course site. Other educational options include attending an IRB basics workshop, or reading the IRB researcher handbook and taking a short answer quiz. Please contact the IRB coordinator if you would like more information on any of these options. In addition, principal investigators must provide a list of the key personnel involved in the project to the ORPD, so the office can maintain records of those individuals that have completed training. If you have any questions about the approval process, please do not hesitate to contact the IRB coordinator at 777-4079 for further information.

Research, grant opportunities listed

Following are research and grant opportunities. For additional information, contact the Office of Research and Program Development at 777-4278 or shirley.griffin@mail.und.nodak.edu.

Portions of the following data were derived from the Community of Science's COS Funding OpportunitiesTM which is provided for the exclusive use of the University of North Dakota and may not be republished or made available outside the University of North Dakota in any form except via the COS Record ShareTM on the COS website.

ALLIANCE FOR THE PRUDENT USE OF ANTIBIOTICS (APUA)

Transfer of Antibiotic Resistance Elements from Non-Infecting Bacteria to Pathogens--Funding for pilot studies to determine whether commensal organisms serve as reservoirs for emergence and proliferation of antibiotic resistance genes in disease-associated bacteria, and whether commensal bacteria can donate antibiotic resistance elements to disease-associated bacteria and to provide data to build an APUA-curated database of those genes and the isolates.

Deadline: 10/15/03. Contact: Allison Hodges Myerson, 617-636-4021; allison.hodges@tufts.edu; <http://www.tufts.edu/med/apua/ROAR/roarhome.htm>.

AMERICAN COUNCIL OF LEARNED SOCIETIES (ACLS)

Dissertation Fellowships in East European Studies and Postdoctoral Fellowships in East European Studies research and writing, in any discipline or disciplines of the humanities and the social sciences, in East European studies. Contact: Donna Heiland, 212-697-1505, ext. 124; dheiland@acsls.org; <http://www.acsls.org/eeguide.htm>. Deadline: 11/3/03.

Library of Congress Fellowships in International Studies support research, in any discipline of the humanities and social sciences, using foreign language collections of the Library of Congress. Deadline: 11/3/03. Contact: American Council of Learned Societies, 212-697-1505, grants@acsls.org; <http://www.acsls.org/locguide.htm>.

AMERICAN HEALTH ASSISTANCE FOUNDATION (AHAF)

National Heart Foundation (NHF) Starter Grants Program--Support for investigators beginning independent research careers to conduct basic research on the causes or treatment for heart disease and stroke. Contact: Susan Monahan, 1-800-437-2423/1-301-948-3244; smonahan@ahaf.org; <http://www.ahaf.org/hrtstrok/research/hsresrch.htm>. Deadline: 11/4/03.

AMERICAN JOURNAL OF HEALTH PROMOTION

Robert F. Allen Symbol of H.O.P.E. Awards are intended to honor those who have devoted their careers to serving underserved populations and promoting cross-cultural harmony and to disseminate innovative and effective strategies to do this. Deadline: 11/1/03. Contact: American Journal of Health Promotion, inquiries@healthpromotionjournal.com; <http://www.healthpromotionjournal.com/resource/hope.htm>.

AMERICAN SOCIETY FOR BONE AND MINERAL RESEARCH (ASBMR)

John Haddad Young Investigator Awards allow young basic and clinical scientists in the field of bone and mineral metabolism to attend the Advances in Mineral Metabolism (AIMM) Meeting. Deadline: 10/23/03. Contact: 202-367-1161; asbmr@dc.sba.com; <http://www.asbmr.org/Pages/younginv.htm>.

AMERICAN SOCIETY FOR CLINICAL NUTRITION (ASCN)

Dannon Institute Awards for Excellence in Medical/Dental Nutrition Education honor outstanding careers in medical/dental

nutrition education. Deadline: 11/8/03. Contact: Awards Program, 301-530-7110; secretar@ascn.faseb.org; <http://www.faseb.org/ascn/awards.htm>.

Norman Kretchmer Memorial Awards in Nutrition and Development are given to young investigators for independent research in the field of nutrition and development with potential relevance to improving child health. Deadline and Contact: See above.

Robert H. Herman Memorial Awards honor clinical investigators whose research work has contributed importantly to the advancement of clinical nutrition, particularly the biochemical and metabolic aspects of human nutrition. Deadline and Contact: See above.

McCollum Awards are given to clinical investigators perceived currently as major creative forces, actively generating new concepts in nutrition and personally seeing to execution of studies testing the validity of these concepts. Deadline and Contact: See above.

DIGESTIVE DISORDERS FOUNDATION (DDF)

Research Prizes are awarded to clinical or basic science researchers in the early stages of their careers for thesis or dissertation research. Deadline: 11/6/03. Contact: Julia Young, Telephone: +44 (0) 20-7486-0341; julia@digestivedisorders.org.uk; <http://www.digestivedisorders.org.uk/researchcomp.htm>.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

Market Mechanisms and Incentives for Environmental Management (NCER)--Support for research leading to improved theoretically-sound empirical analyses of feasibility and effectiveness of market mechanisms and economic incentives (MM&I) as substitutes for, or complements to, traditional environmental management programs. Deadline: 10/22/03. Contact: Matthew Clark, 202-564-6842; clark.matthew@epa.gov; http://es.epa.gov/ncer/rfa/current/2003_market_mech.html.

INSTITUTE OF INTERNATIONAL EDUCATION (CIES)

Fulbright Grants--Fellowships in Japan for Graduating Seniors--Support for graduating college seniors in any discipline to pursue language study and research at local universities and institutions in Japan. Deadline: 10/21/03. Contact: Fulbright U.S. Student Program, 212-984-5330; info@iie.org; http://www.iie.org/FulbrightTemplate.cfm?Section=U_S__Student_Program.

Spain: Fulbright Full Grants--Support for study and research in all fields, for graduating seniors, advanced students, doctoral candidates, and others who do not hold a doctoral degree. Deadline: 10/21/03. Contact: See above or http://www.iie.org/Content/NavigationMenu/Fulbright_Demo_Site/U_S__Student_Program/Fulbright_Grant_Opportunities/Spain.htm.

Sweden: Fulbright Full Grants--Support for individuals from any field or degree level for instruction or research at a Swedish university or research center. Deadline: 10/21/03. Contact: See above or http://www.iie.org/Content/NavigationMenu/Fulbright_Demo_Site/U_S__Student_Program/Fulbright_Grant_Opportunities/Sweden.htm.

NATIONAL ACADEMY OF EDUCATION (NAE)

Spencer Postdoctoral Fellowships support individuals from all disciplines who are conducting research relevant to education. Eligible applicants must have received the Ph.D., Ed.D., or equivalent degree between January 1, 1998 and December 31, 2003. Deadline: 11/05/03. Contact: National Academy of Education, 212-998-9035; nae.info@nyu.edu; <http://www.nae.nyu.edu/spencer/index.htm>.

NATIONAL CANCER INSTITUTE (NCI)

Academic Public Private Partnership Program (Ap4) Planning Grant--Support for formation of new partnerships or significant expansions of existing partnerships among academia, industry, non-profit institutions, and government entities to conduct novel cancer therapeutic, prevention, diagnostic, and imaging intervention-directed research. Deadlines: 10/21/03 (Letter of Intent); 11/20/03 (Application). Contact: Jill Johnson, 301-496-8720; johnsoji@mail.nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-CA-04-005.html>.

Activities to Promote Research Collaborations--Support for collaborative activities bringing together ideas and approaches from disparate scientific disciplines. Eligible activities include, but are not limited to, initiating new collaborative research projects, sharing resources and reagents, developing novel technologies, and organizing cross-disciplinary meetings/workshops. Deadline: 11/3/03. Contact: John Sogn, 301-496-8636; js150x@nih.gov; <http://grants1.nih.gov/grants/guide/notice-files/NOT-CA-03-035.html>.

Industry-Academic Partnerships for Development of Biomedical Imaging Systems and Methods that are Cancer Specific-- Seed grants for industry-academic partnerships for collaborative in vivo imaging research projects directed at cancer. Deadlines: 10/22/03 (Letter of Intent); 11/19/03 (Application). Contact: Guoying Liu, 301-496 9531; liug@mail.nih.gov; <http://grants2.nih.gov/grants/guide/pa-files/PA-03-157.html>.

NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR)/NATIONAL INSTITUTE OF DIABETES, DIGESTIVE AND KIDNEY DISEASES (NIDDK)

Availability of Human Pancreatic Islets for Non-clinical Research Through Islet Cell Resource (ICR) Centers-- ICR Centers were established in 2001 as regional resources to provide clinical grade human islets to investigators throughout the U.S. and optimize procedures used to obtain such islets. The ICR consortium will now accept requests for islets to be used in non-clinical research. Contact: Rebecca Nelson, 626-359-8111 x64040; rnelson@coh.org; <http://icr.coh.org>; <http://grants2.nih.gov/grants/guide/notice-files/NOT-RR-03-009.html>.

NATIONAL FOUNDATION FOR THE ARTS AND THE HUMANITIES/NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)

Challenge Grants provide support to improve quality and financial stability of humanities programs. The most common use of funds is augmentation or establishment of endowments, but some direct expenditures may also be allowable. Deadlines: 11/3/03, 5/1/04. Contact: Office of Challenge Grants, 202-606-8309; challenge@neh.gov; <http://www.neh.fed.us/grants/guidelines/challenge.html>.

Collaborative Research--Support for research conducted by two or more scholars or coordinated by one individual. Eligible projects include: research that significantly adds to knowledge and understanding in the humanities; archaeology projects that interpret and communicate the results of archaeological fieldwork; translations into English of works that provide insight into the history, literature, philosophy, and artistic achievements of other cultures; research that uses the knowledge, methods, and perspectives of the humanities to enhance understanding of science, technology, and medicine; and conferences on topics of major importance in the humanities that will benefit ongoing research. Deadline: 11/3/03. Contact: Collaborative Research, 202-606-8200; collaborative@neh.gov; <http://www.neh.fed.us/grants/guidelines/collaborative.html>.

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)

Funding for an Administrative Coordinating Center for the NHLBI DNA Re-Sequencing and Genotyping Program (SOL RFTOP-NHLBI-HV-04-12) to obtain reliable, rapid, and cost efficient DNA re-sequencing and genotyping to assist investigators actively engaged in elucidating the genetic components involved in the cause, variable outcome, and progression of heart, lung, blood, and sleep diseases and disorders. Deadline: 10/23/03. Contact: Betty Nordan, 301-435-6672; bn4y@nih.gov; <http://www.nhlbi.nih.gov/funding/inits/index.htm#rfp>.

NATIONAL HUMAN GENOME RESEARCH INSTITUTE (NHGRI)

Mentored Patient-Oriented Research Career Development Award with Emphasis on Application of Genomic or Proteomic Technologies--Support for career development of clinicians (who have clinical doctoral degrees or equivalent and have completed/nearly completed clinical training) to conduct patient-oriented research involving application of knowledge, tools, technologies and approaches of genomics and proteomics to the study of diseases in order to develop effective therapeutic interventions. Deadline: 10/20/03. Contact: Bettie J. Graham, 301-496-7531; bettie_graham@nih.gov; <http://grants1.nih.gov/grants/guide/rfa-files/RFA-HG-03-006.html>.

NATIONAL INSTITUTE OF ARTHRITIS AND MUSCULOSKELETAL AND SKIN DISEASES (NIAMS)

Mechanisms of Mineralization in Bone--Support for research on mechanisms that mediate and regulate incorporation of mineral into bone. Deadlines: 10/21/03 (Letter of Intent); 11/18/03 (Application). Contact: William J. Sharrock, 301-594-5055; ws19h@nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-AR-04-001.html>.

NATIONAL INSTITUTE OF DENTAL AND CRANIOFACIAL RESEARCH (NIDCR)

The Salivary Proteome: Catalogue of Salivary Secretory Components--Funding for research to generate a catalogue of all salivary secretory components using state of the art, sensitive and high-throughput proteomics technologies. Deadlines: 12/20/03 (Letter of Intent); 1/20/04 (Application). Contact: Eleni Kousvelari, 301-594-2427; kousvelari@de45.nidr.nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-DE-04-007.html>.

NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)

Exploratory/Developmental Translational Grants for Borderline Personality--Support for translation of basic science theories, methods and findings to clinical research concerning borderline personality disorder; examining BPD features and its relationship to putative causal factors and to other disorders, constructs, and variables. Deadlines: 11/14/03 (Letter of Intent); 12/18/03 (Application). Contact: James Breiling, 301-443-3527; jbreilin@mail.nih.gov;

<http://grants2.nih.gov/grants/guide/rfa-files/RFA-MH-04-006.html>.

NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)

Nonclinical ADME Studies--Funding to perform nonclinical absorption, distribution, metabolism and elimination (ADME) studies to support NIDA's medications. Deadline: 10/20/03. Contact: Teneshia G. Alston, 301-443-6677; TALSTON@NIDA.NIH.GOV; <http://grants2.nih.gov/grants/guide/notice-files/NOT-DA-03-027.html>; <http://www2.eps.gov/spg/HHS/NIH/NIDA/N01DA-4-8842/Attachments.html>.

NATIONAL PSORIASIS FOUNDATION

Post-Doctoral Fellowships support young investigators studying the genetics of psoriasis or psoriatic arthritis genetics. Deadline: 10/24/03. Contact: Constance de Amezcua, 503-546-8386; cdeamezcua@psoriasis.org.

Research Grants support innovative clinical, genetics, or immunology research projects on psoriasis and psoriatic arthritis. Deadline: 10/24/03. Contact: David Killaby, 503-546-8399; dkillaby@psoriasis.org; <http://www.psoriasis.org/files/pdfs/medicalpros/application2004.pdf>; <http://www.psoriasis.org/medical/programs/grants>.

NATIONAL SCIENCE FOUNDATION (NSF)

Biomedical Engineering Program and Research to Aid Persons with Disabilities Program--Support for development of novel ideas into projects integrating engineering and life science principles in solving biomedical problems. Categories are: Investigator-initiated Research Proposals and Undergraduate Design Projects. Deadlines: 10/15/03, 2/1/04 (Unsolicited Proposals); None (Undergraduate Design Projects); 2/1/04 (Biophotonics). Contact: Gilbert B. Devey, 703-292-7943; gdevey@nsf.gov; <http://www.nsf.gov/pubs/2003/nsf03560/nsf03560.htm>.

Frontiers in Integrative Biological Research--Support for integrative research focused on major questions in biology addressed through creative application of a broad range of scientific concepts, strategies and research tools from both within and outside the biological sciences. Contact: Chris Greer, 703-292-8470; biofibr@nsf.gov; <http://www.nsf.gov/pubs/2003/nsf03581/nsf03581.htm>. Deadlines: 10/20/03 (Preliminary Proposal); 2/17/04 (Full Proposal).

Graduate Research Fellowships support graduate study in the mathematical, physical, biological, behavioral, and social sciences; engineering; the history and philosophy of science; and for research-based P.D. degrees in science education. Deadline: 11/4/03. Contact: NSF Graduate Research Fellowship Program; 866-353-0905; nsfgrfp@oraу.gov; <http://www.nsf.gov/pubs/ods/getpub.cfm?nsf03050>.

Information Technology Workforce--Support for scientific research studies focused on under-representation of women and minorities in the IT workforce. The basic themes are: Environment and Culture, IT Educational Continuum, and the IT Workplace. Contact: Caroline Wardle, 703-292-8980; cwardle@nsf.gov; <http://www.nsf.gov/cgi-bin/getpub?nsf0133>. Deadline: 11/3/03.

Nanoscale Science and Engineering--Nanoscale Exploratory Research (NER)--Support for exploratory, high risk/high reward nanoscale science and engineering research and education with potential for innovation if the research were successful. UND may submit no more than three proposals as a lead institution; therefore, please call ORPD if you are interested in applying for this grant. Deadline: 10/22/03. Contact: Geoff Prentice, gprentic@nsf.gov; <http://www.nsf.gov/pubs/2003/nsf03043/nsf03043.htm>.

NATIONAL WOMEN'S STUDIES ASSOCIATION (NWSA)

ABAFASI-Women of Color Caucus Student Essay Awards--Essays, written by students of African descent (one graduate, one undergraduate) must be critical theoretical discussions and/or analyses of issues/experiences of women and girls of African descent in the U.S. and/or throughout the Diaspora. Deadline: 11/4/03. Contact: Della Scott, dscott@simmons.edu; <http://www.nwsa.org/scholarship.htm>.

Women of Color Caucus Essay Awards--Essays must focus on international perspectives concerning critical theoretical discussions or analyses of issues relevant to Native American, Latina, or Asian or Asian American women or girls. Contact: Pat Washington, washing3@mail.sdsu.edu; <http://www.nwsa.org/scholarship.htm>. Deadline: 11/4/03.

Women of Color Caucus - Program Administration and Development Student Essay Award--Essays must provide critical theoretical discussions or analyses of issues or experiences of women and girls of African, Latina, Asian/Asian American, or Native American descent, from a national or international perspective. Deadline and Contact: See above.

OAK RIDGE ASSOCIATED UNIVERSITIES (ORAU)

National Science Foundation Graduate Research Fellowship Program (Including Women in Engineering and Computer and

Information Science Awards)--Fellowships are intended for students at or near the beginning of their graduate study in mathematical, physical, biological, behavioral and social sciences; engineering; history and philosophy of science; and for research-based Ph.D. degrees in science education. Contact: NSF Graduate Research Fellowship Program, 866-353-0905; nsfgrfp@ora.gov; <http://www.ora.gov/nsf/nsffel.htm>. Deadline: 11/4/03.

OSTEOGENESIS IMPERFECTA (OI) FOUNDATION

Research Grants and Michael Geisman Fellowships--Funding for young investigators working with a mentor to develop expertise in OI research or seed grants for basic or clinical studies with relevance to OI. Deadline: 11/3/03. Contact: Osteogenesis Imperfecta Foundation, Attn: Research Grants, 1-800-981-2663; bonelink@oif.org; <http://www.oif.org/site/PageServer?pagename=research>.

SOCIAL SCIENCE RESEARCH COUNCIL (SSRC)

International Dissertation Field Research Fellowship Program--Support for dissertation field research of social scientists and humanists in all regions of the world. Deadlines: 11/3/03 (On-line Registration); 11/10/03 (Application). Contact: International Dissertation Field Research Fellowship Program, 212-377-2700; idrf@ssrc.org; <http://www.ssrc.org/fellowships/idrf/>.

SPACE TELESCOPE SCIENCE INSTITUTE

Hubble Postdoctoral Fellowships allow recent postdoctoral scientists to conduct independent research broadly related to the mission of the Hubble Space Telescope (HST), at a U.S. host institutions. Deadline: 11/4/03. Contact: Hubble Fellowship Program, hfellows@stsci.edu; <http://www.stsci.edu/stsci/hubblefellow.html>.

UNITED STATES DEPARTMENT OF EDUCATION

International Research and Studies Program--Support for projects to improve and strengthen instruction in modern foreign languages, area studies, and other international fields to provide full understanding of the places in which the foreign languages are commonly used. Deadline: 11/3/03. Contact: Jose L. Martinez, 202-502-7635/TDD 1-800- 877-8339; jose.martinez@ed.gov; <http://a257.g.akamaitech.net/7/257/2422/14mar20010800/edocket.access.gpo.gov/2003/03-21815.htm>.

UNITED STATES DEPARTMENT OF STATE (DOS)

Grants to Support International, Collaborative Projects in Science and Technology--Support for cooperative activities between U.S./Egypt, including coordinated and joint research projects, studies, and investigations; joint scientific courses, workshops, conferences, and symposia; exchange of science and technology information and documentation in the context of cooperative activities; exchange of scientists, specialists, and researchers; exchanges or sharing of equipment or materials; and other forms of scientific and technological cooperation. Deadline: 11/4/03. Contact: Joan Mahoney, Telephone: 20-2-797-2925; mahoneyjm@state.gov; <http://a257.g.akamaitech.net/7/257/2422/14mar20010800/edocket.access.gpo.gov/2003/03-19428.htm> – William Gosnold, Interim Director, Office of Research and Program Development.

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